## **CLAIMS**

1. A conductive resin composition comprising:

a conductive filler (A),

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a urethane-modified epoxy (meth)acrylate (B) obtained by reacting an epoxy (meth)acrylate (b-1), which is obtained by the addition reaction of an epoxy resin having an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit and a (meth)acrylic acid, with a polyisocyanate (b-2),

a (meth)acrylate (C) having a number average molecular weight of 500 to 10,000, which contains 20 to 80% by weight of an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit and contains no active hydrogen atom, and

the other ethylenically unsaturated monomer (D) which is copolymerizable with the urethane-modified epoxy (meth)acrylate (B) and the (meth)acrylate (C).

- A conductive resin composition according to claim 1, wherein the epoxy resin contains
   to 90% by weight of an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit.
- A conductive resin composition according to claim 1, wherein the epoxy resin is a
   novolac type epoxy resin.
  - 4. A conductive resin composition according to claim 1, wherein the (meth)acrylate (C) is obtained by reacting a reaction product, which is obtained by reacting a polyisocyanate having an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit with a polyetherpolyol having an aromatic cyclic structural unit and/or an aliphatic cyclic

structural unit under the conditions that an isocyanate group of the polyisocyanate is in excess of a hydroxyl group of the polyol, with a (meth)acrylate having a hydroxyl group.

- 5. A conductive resin composition according to claim 4, wherein the polyetherpolyol
   b having an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit is an alkylene oxide adduct of a multinucleate phenolic compound.
- 6. A conductive resin composition according to claim 1, wherein the (meth)acrylate (C) is obtained by reacting a polyetherpolyol having an aromatic cyclic structural unit and/or
  10 an aliphatic cyclic structural unit with a (meth)acrylic acid.
  - 7. A conductive resin composition according to claim 4, wherein the polyetherpolyol having an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit is an alkylene oxide adduct of a multinucleate phenolic compound.

8. A conductive resin composition according to claim 1, wherein a weight ratio of the urethane-modified epoxy (meth)acrylate (B) to the (meth)acrylate (C) is from 95/5 to 50/50.

- 9. A conductive resin composition according to claim 1, wherein the content of the conductive filler (A) is from 50 to 90% by weight.
- 10. A conductive resin composition according to claim 1, wherein the content of the conductive filler (A) is from 50 to 90% by weight, the content of the urethane-modified epoxy (meth)acrylate (B) is from 6 to 18% by weight, the content of the (meth)acrylate (C) is from 2 to 8% by weight, and the content of the other ethylenically unsaturated monomer

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- (D) is from 2 to 25% by weight.
- 11. A conductive resin composition according to claim 1, wherein the ethylenically unsaturated monomer (D) is an aromatic vinyl monomer.

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- 12. A method for producing a conductive resin composition, which comprises:
- (1) the first step of kneading a conductive filler (A), an epoxy (meth)acrylate (b-1) obtained by the addition reaction of an epoxy resin having an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit and a (meth)acrylic acid, a polyisocyanate (b-2), a (meth)acrylate (C) having a number average molecular weight of 500 to 10,000, which contains 20 to 80% by weight of an aromatic cyclic structural unit and/or an aliphatic cyclic structural unit and contains no active hydrogen atom, and an ethylenically unsaturated monomer (D), and
- (2) the second step of reacting the kneaded mixture obtained in the first step with the (meth)acrylate (b-1) and the polyisocyanate (b-2) at a temperature of room temperature to 80°C, thereby causing chain elongation.
  - 13. A separator for a fuel cell obtained by molding the conductive resin composition according to any one of claims 1 to 10.